

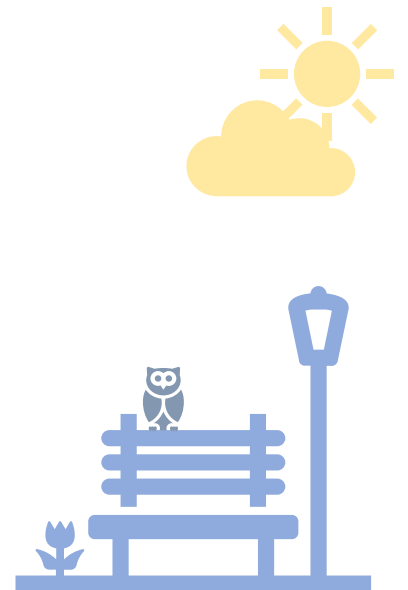
PATCH PANEL

INFORMATION SHEET 2.1-4

LEARNING OBJECTIVE

After reading this **INFORMATION SHEET**, STUDENT(S) MUST be able to:

 Know how to configure patch panel



PATCH PANEL

In a LAN, the patch panel connects the network's computers to each other and to the outside lines that enable the LAN to connect to the Internet or another WAN.

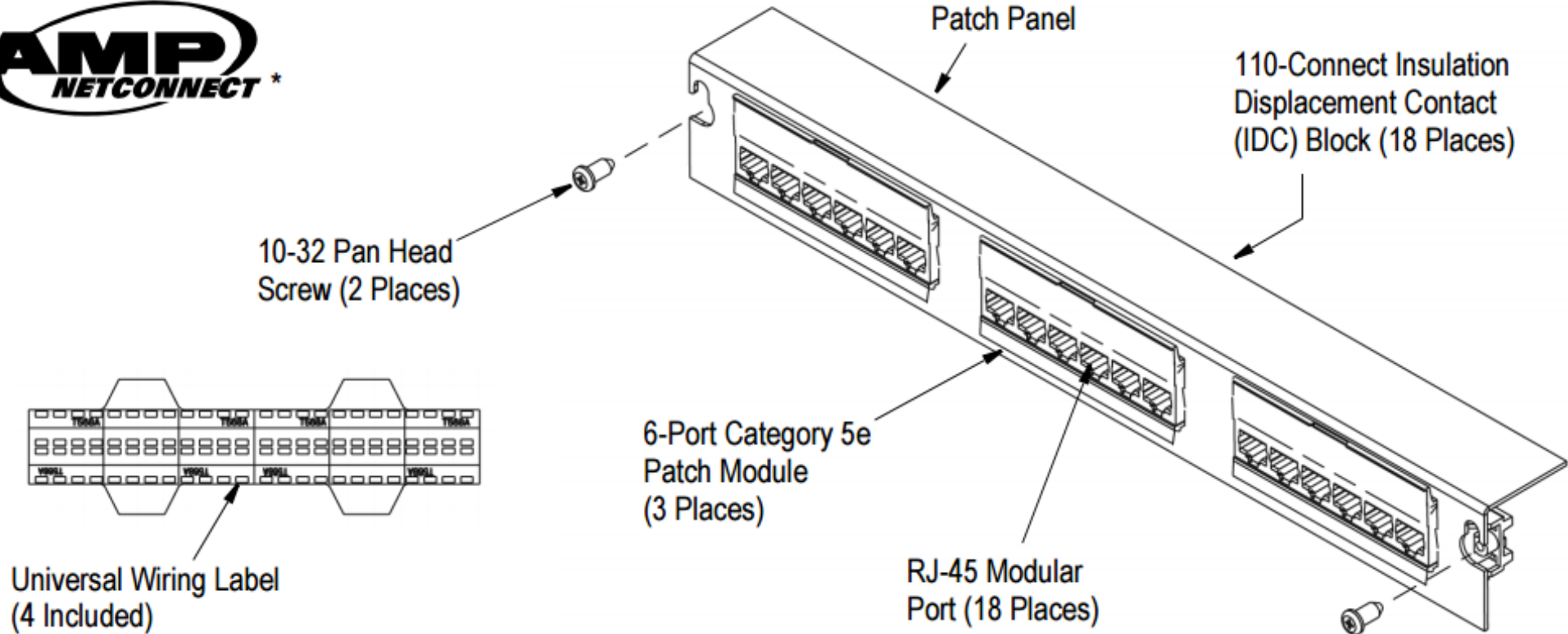
front



back

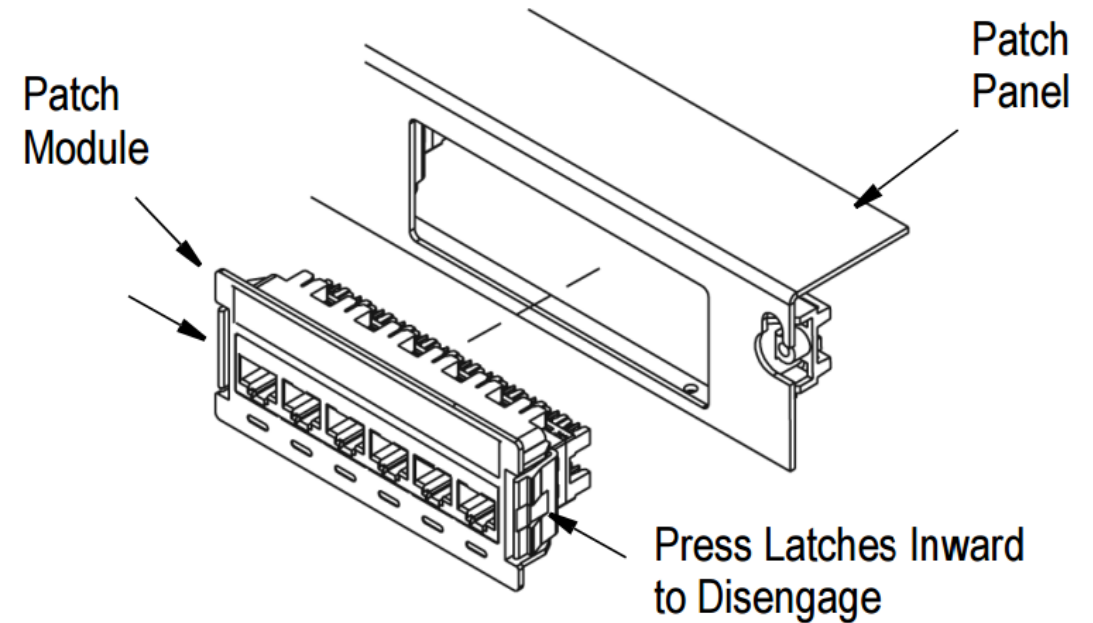


CONFIGURING PATCH PANEL



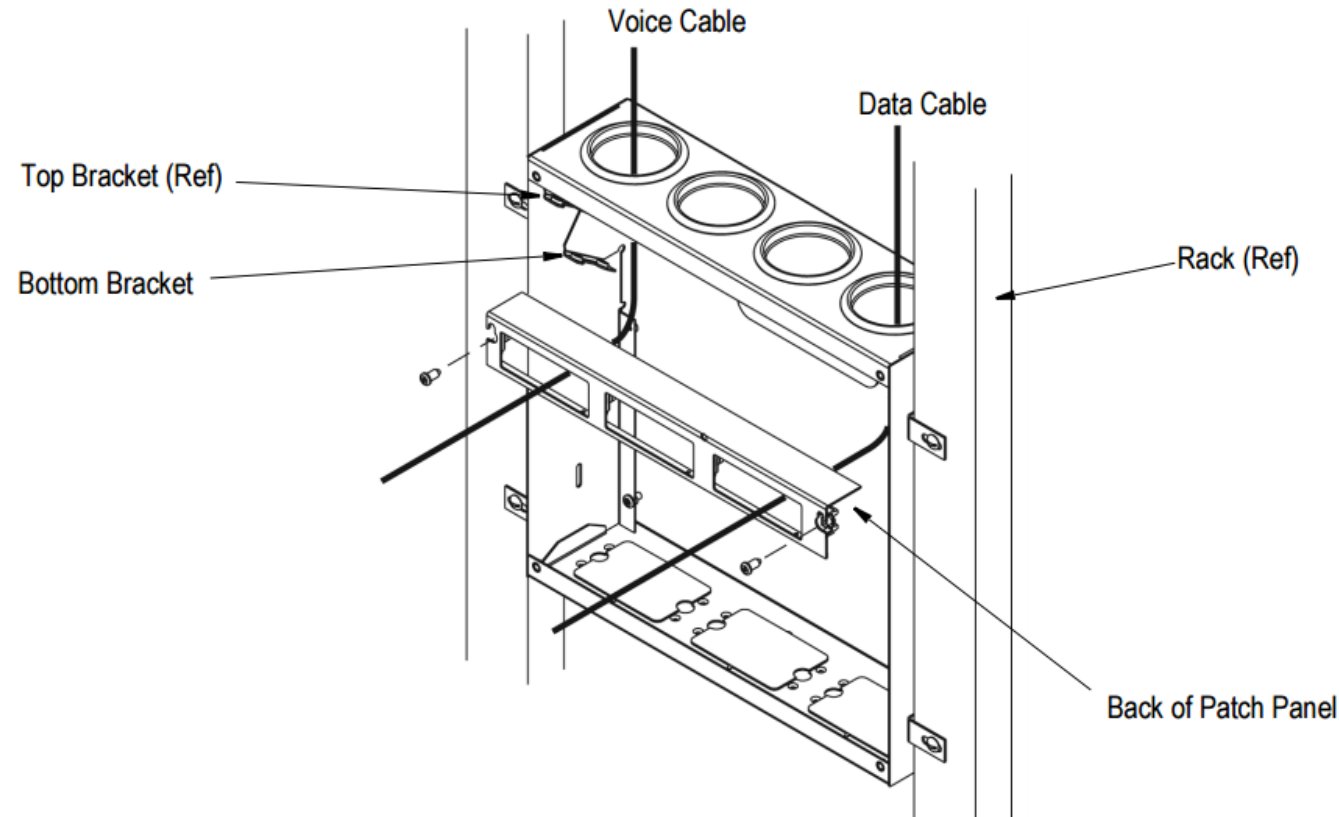
MOUNTING

1. Remove the patch modules from the patch panel by pressing the latches inward until the latches disengage from the opening. Refer to figure below.



MOUNTING

2. Using two of the four mounting screws, mount the patch panel onto the bottom bracket of the SCS enclosure. Refer to figure shown below. If a starter panel is being used, subsequent patch panels should be installed below the starter panel.

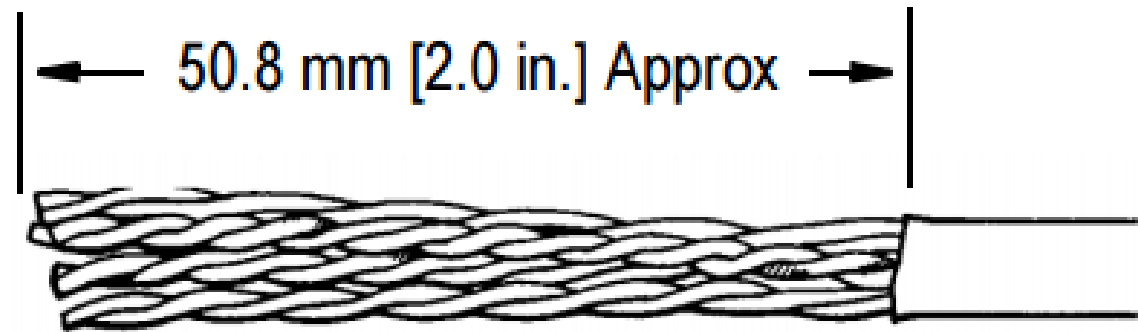


TERMINATION

1. Trim the cable to length.

Cable Strip Length

Note: Not to Scale



ROUTING THE CABLE

1. Separate the voice (telephone distribution) and data (computer networking) cables and insert them through the cable hole plugs of the enclosure. It is recommended that the voice cable be located on the left and the data cable on the right of the enclosure. See Figure 3. Allow a minimum of 46 cm [18 in.] of excess cable inside the enclosure.

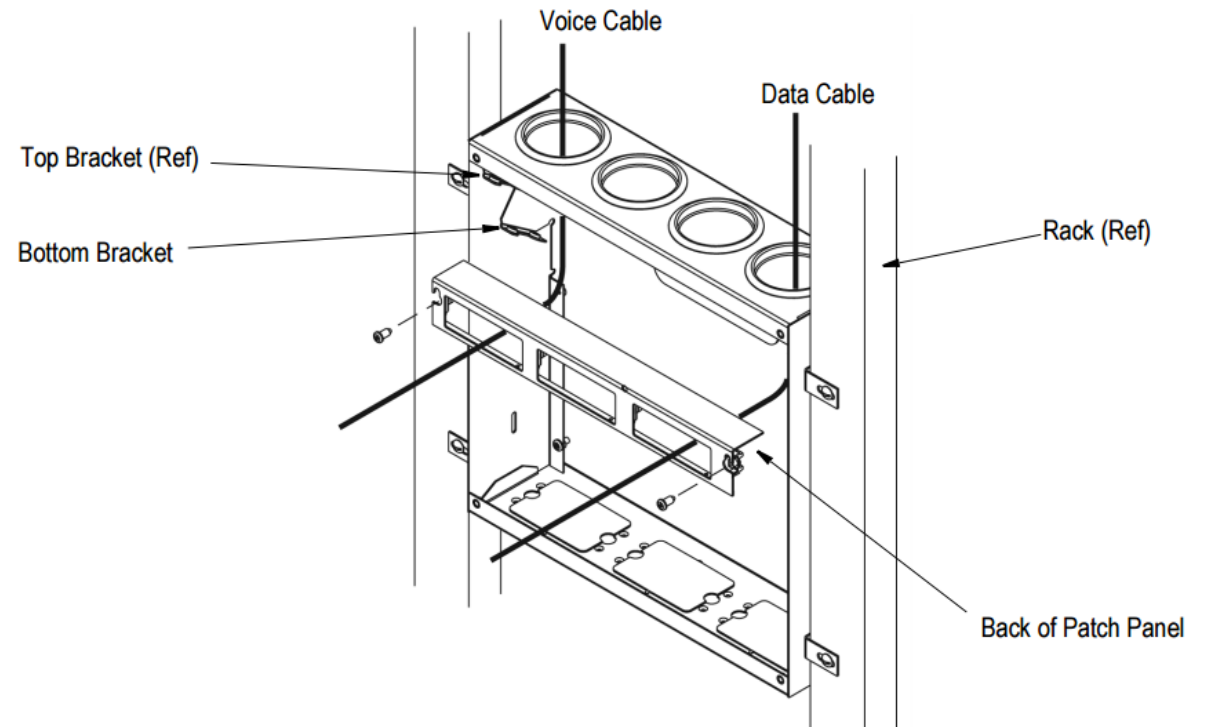


Figure 3

ROUTING THE CABLE

2. At the back of the patch panel, attach a universal wiring label, with the T568A color code side out, to each patch module. Refer to Figure 5, Detail A.

IMPORTANT NOTES

Rear panel port numbering may be different from this photo. Some patch panel have their own wiring scheme and placements. Please do read your manual in order to obtain correct configuration.

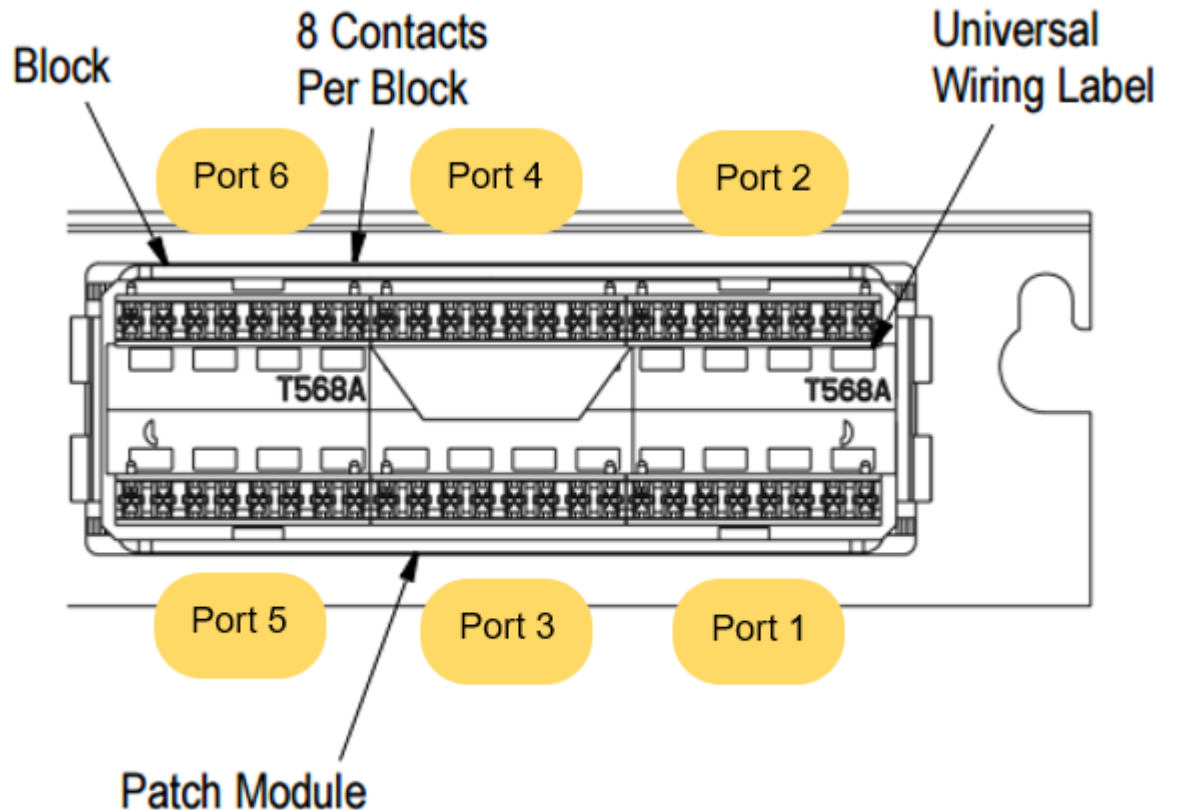


Figure 5, Detail A

ROUTING THE CABLE

3. Arrange the wires according to the T568A color code (See figure 6, 7 and 8) if you are going to use T568B just interchange the position of green to orange, white green to white orange and terminate the wires to the blocks according to the instructions included with the tool. Keep wire twisted to a maximum of 13 mm [.50 in.] from the termination. Refer to Figure 5, Detail B.

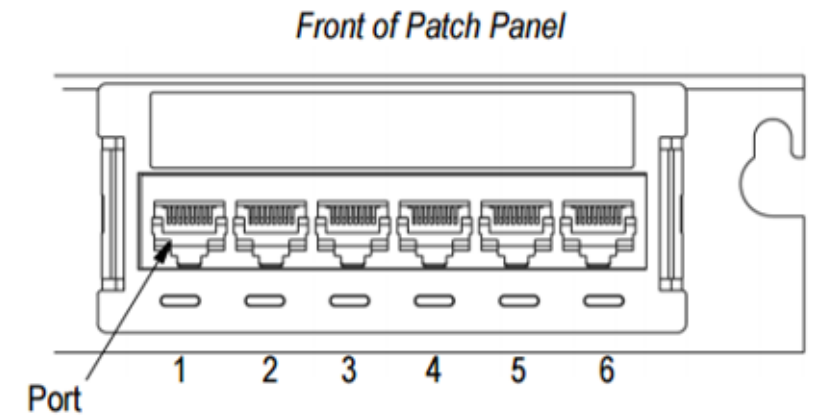


Figure 5, Detail B

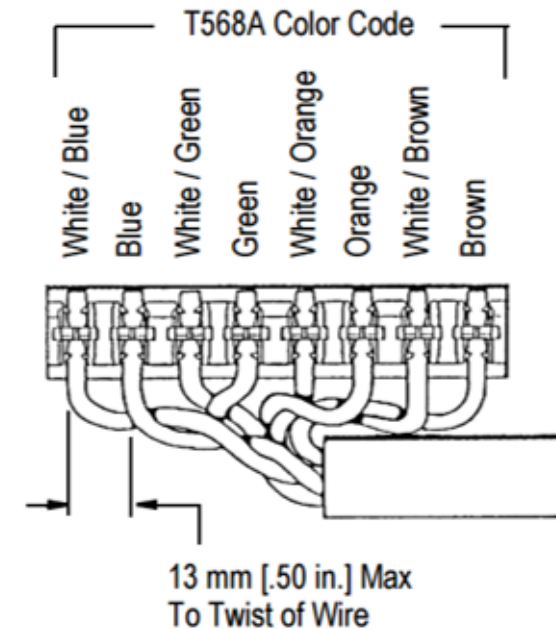
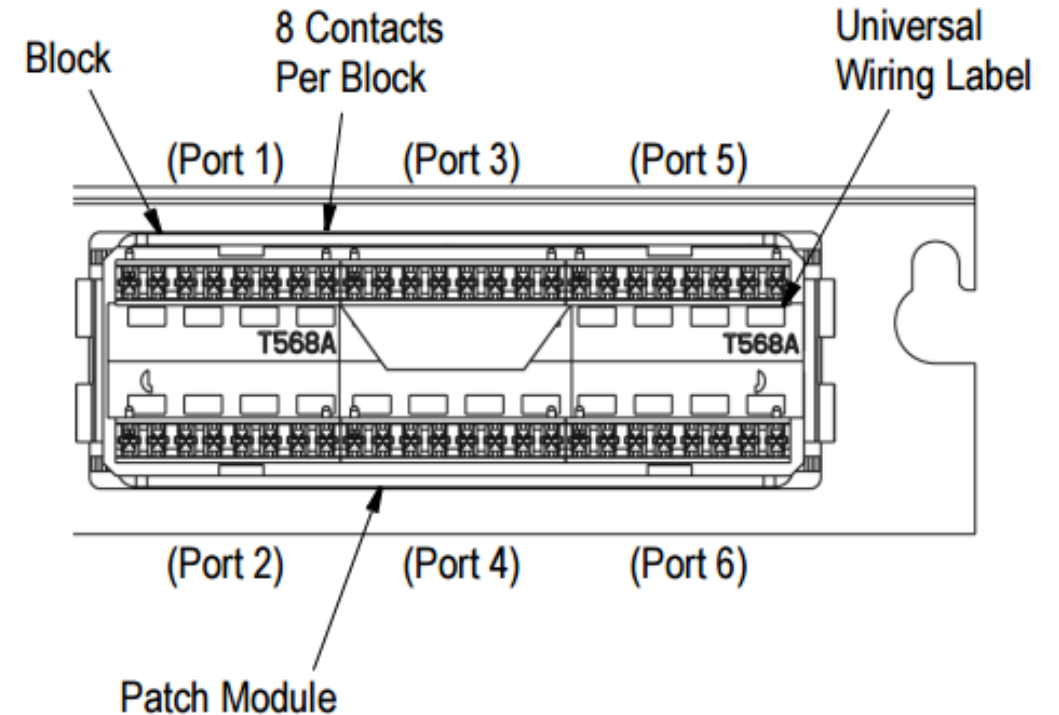


Figure 6: Color code

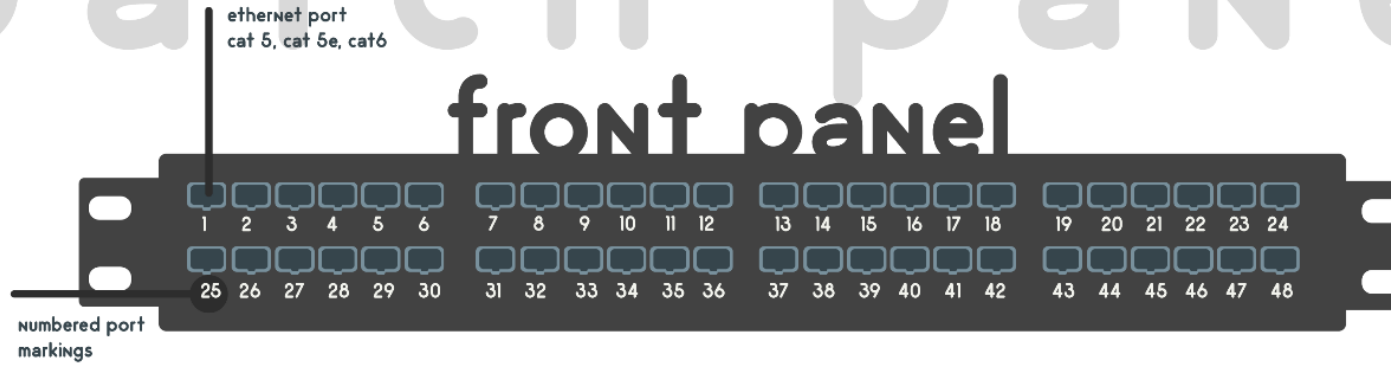
ROUTING THE CABLE

4. Install the patch modules into the openings in the patch panel, feeding excess cable into the wall cavity.
5. Label each port to identify the cable.

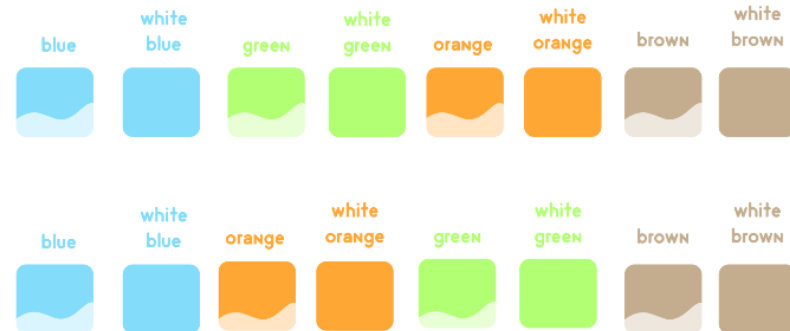
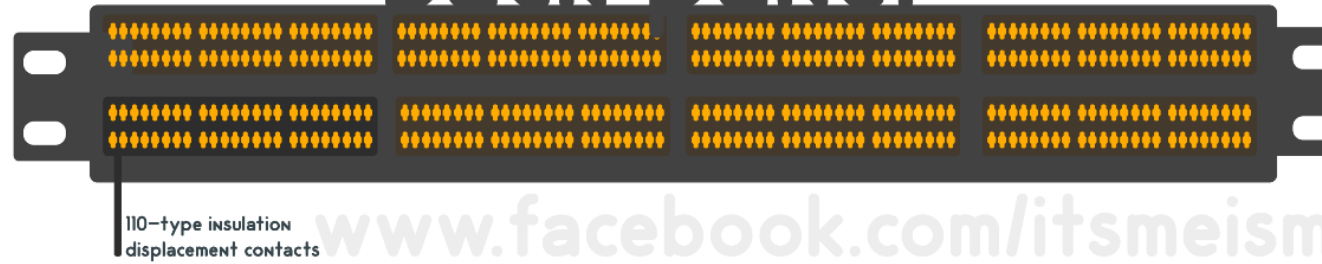


patch panel

front panel



back panel

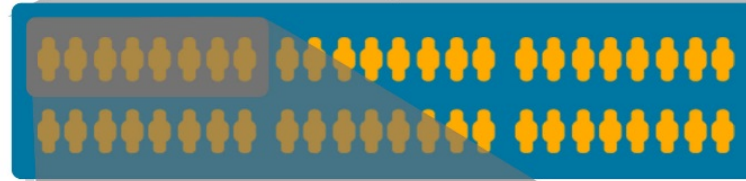
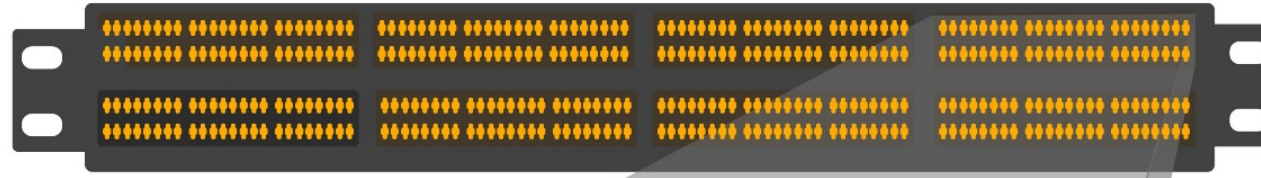


T568A

T568B

back panel configuration

www.facebook.com/itsmeismael



blue	white blue	green	white green	orange	white orange	brown	white brown	T568A
blue	white blue	orange	white orange	green	white green	brown	white brown	T568B

thank you!

computer systems servicing nc ii

www.facebook.com/cssnc2

[fb/itsmeismael](https://fb.me/itsmeismael)

0946 448 5036